

V <sub>RM</sub>	Mftrs.		1+	25+	100+
1600	ST180C16COPBF	910-4429	4,546.00	3,477.00	2,704.00
1600	ST230C16COPBF	910-4526	5,345.00	3,934.00	3,060.00
800	ST333C08CFM1PBF	910-4364	4,227.00	3,111.00	2,420.00
800	ST733C08LFM1PBF	910-4437	7,653.00	5,740.00	4,464.00

49A to 156A Single Thyristor Module



- Isolation voltage 2500 V
- Solid state switches
- Applications include; motor control, soft starter circuits, light and temperature control



SOT-227B - miniBLOC

I <sub>T</sub> @ 110 °C rms	V <sub>RRM</sub> /V <sub>dRM</sub>	I <sub>T</sub> (av)	V <sub>GT</sub> @ 25 °C	I <sub>GT</sub> @ 25 °C	I <sub>TSM</sub> @ 45 °C	Mftrs. List No.
49	1200	31	1.5	55	370	MCO 25-12I01
49	1600	31	1.5	55	370	MCO 25-16I01
85	1200	54	1.4	80	740	MCO 50-12I01
85	1600	54	1.4	80	740	MCO 50-16I01
156	1200	99	1.5	100	1400	MCO 100-12I01
156	1600	99	1.5	100	1400	MCO 100-16I01

422994

Mftrs. List No.	Order Code	1+	25+	100+	+	+
MCO 25-12I01	108-0126	736.00	468.00	429.00	--	--
MCO 25-16I01	108-0127	792.00	504.00	462.00	--	--
MCO 50-12I01	108-0128	1,015.00	646.00	583.00	--	--
MCO 50-16I01	108-0129	978.00	622.00	569.00	--	--
MCO 100-12I01	108-0130	1,143.00	726.00	666.00	--	--
MCO 100-16I01	108-0132	1,250.00	795.00	724.00	--	--

I <sub>F</sub> max	I <sub>FSM</sub> @ 25 °C, 10ms	V <sub>F</sub>	Package	Mftrs. List no.
31	550	1.35	SEMPACK 1 - A10	SKKD26/16
195	6000	1.5	SEMPACK 2 - A23	SKKD162/16

423156

Mftrs. List No.	V <sub>RRM</sub> (V)	Order Code	1+	25+	100+
SKKD162/16	1600	109-5598	10,288.00	7,482.00	6,638.00
SKKD26/16	1600	109-5599	3,632.00	2,642.00	2,344.00

25A to 41A



- Thyristor for line frequency
- Isolation Voltage 2500 V
- Ideal for switching and control of single and 3 phase AC



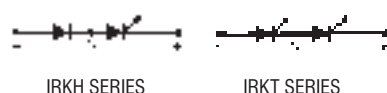
SOT-227B - mini-BLOC

I <sub>T</sub> (av)	I <sub>T</sub> @ 110 °C rms	V <sub>RRM</sub> /V <sub>dRM</sub>	I <sub>TSM</sub> @ 45 °C	I <sub>GT</sub> mA	V <sub>GT</sub> V	Mftrs. List No.
25	54	1200	400	100	1.5	MMO 62-12I06
25	54	1600	400	100	1.5	MMO 62-16I06
34	74	1200	600	100	1.5	MMO 74-12I06
34	74	1600	600	100	1.5	MMO 74-16I06
41	90	1200	800	100	1.5	MMO 90-12I06
41	90	1600	800	100	1.5	MMO 90-16I06

422979

Mftrs. List No.	Order Code	1+	25+	100+	+	+
MMO 62-12I06	108-0119	876.00	557.00	511.00	--	--
MMO 62-16I06	108-0121	952.00	606.00	555.00	--	--
MMO 74-12I06	108-0122	964.00	613.00	562.00	--	--
MMO 74-16I06	108-0123	1,048.00	666.00	611.00	--	--
MMO 90-12I06	108-0124	989.00	629.00	577.00	--	--
MMO 90-16I06	108-0125	1,115.00	710.00	649.00	--	--

25A to 105A, ADD-A-Pak™ Power Modules



H=37 (incl terminals), W=92, D=20  
Mounting Holes=6.2 dia, Fixing centres=80

The ADD-A-pak range of power modules containing either two thyristors or a thyristor and diode offers simple circuit elements that can be interconnected to form various circuits. The isolated base allows mounting on an earthed heatsink alongside other modules and devices. They are intended for general purpose phase control applications. Screw terminals are M5. Auxiliary gate and cathode leads are supplied separately.



Mftrs. List No.	I <sub>O</sub> (AV) <sub>T<sub>C</sub>=85°C</sub> A	I <sub>TSM</sub> A	V <sub>RRM</sub> /V <sub>DRM</sub> V	Order Code	1+	25+	100+
IRKT26/12APBF	25	400	1200	910-4160	2,133.00	1,528.00	1,188.00
IRKT26/16APBF	27	400	1600	910-4178	2,174.00	1,556.00	1,210.00
IRKT41/12APBF	45	850	1200	910-4186	2,201.00	1,576.00	1,225.00
IRKT41/16APBF	45	850	1600	910-4194	2,335.00	1,671.00	1,300.00
IRKT56/12APBF	60	1310	1200	910-4208	2,227.00	1,595.00	1,240.00
IRKT56/16.PBF	60	1310	1600	910-4216	2,415.00	1,729.00	1,345.00
IRKT71/12APBF	75	1665	1200	910-4224	1,880.00	1,372.00	1,229.00
IRKT91/06APBF	90	1500	600	910-4259	2,630.00	1,883.00	1,464.00
IRKT91/12APBF	90	1500	1200	910-4240	2,684.00	1,921.00	1,494.00
IRKT91/14APBF	95	1785	1400	910-4267	2,845.00	2,036.00	1,584.00
IRKT91/16S90APBF	95	1785	1600	910-4275	3,140.00	2,248.00	1,748.00
IRKT105/12S90APBF	105	1785	1200	910-4089	2,992.00	2,142.00	1,666.00
IRKT105/16S90APBF	105	1785	1600	910-4097	3,140.00	2,248.00	1,748.00
<b>Thyristor/Diode Modules</b>							
IRKH41/12APBF	45	850	1200	910-4844	1,672.00	1,236.00	1,101.00
IRKH56/06APBF	60	1310	600	910-4860	1,825.00	1,331.00	1,016.00
IRKH71/08APBF	75	1665	800	910-4879	1,932.00	1,454.00	1,109.00
IRKH91/12APBF	95	1785	1200	910-4887	2,965.00	2,123.00	1,651.00
<b>Leads for IRKT modules</b>							
64432115AAPBF				NEW 910-1950	110.00	78.00	60.00
<b>Leads for IRKH modules</b>							
64432116AAPBF				NEW 910-1942	56.00	40.00	31.00

211385

135A, 140A and 160A INT-A-Pak™ Power Modules



- High voltage
- Electrically isolated by DBC ceramic (Al<sub>2</sub>O<sub>3</sub>)
- 3500V<sub>RMS</sub> isolating voltage
- Industrial standard package
- High surge capability
- Glass passivated chips
- Simple mounting
- UL Recognised

H=37 (incl terminals), W=94, D=36  
Mounting Holes=6.5 dia, Fixing centres=80



234585

Mftrs. List No.	I <sub>O</sub> (AV) <sub>T<sub>C</sub>=85°C</sub> A	I <sub>TSM</sub> A	V <sub>RRM</sub> /V <sub>DRM</sub> V	Mftrs. List No.	Order Code	1+	25+	100+
<b>Thyristor Modules</b>								
135	3200	1600	IRKT136/16PBF	910-4100	4,072.00	3,112.00	2,421.00	
140	4500	1600	IRKT142/16PBF	910-4119	4,632.00	3,477.00	2,705.00	
160	4870	1200	IRKT162/12PBF	910-4127	5,949.00	4,379.00	3,406.00	
160	4870	1600	IRKT162/16PBF	910-4135	4,632.00	3,544.00	2,757.00	
<b>Thyristor/Diode Modules</b>								
140	4500	1200	IRKH142/12PBF	910-4798	4,526.00	3,331.00	2,591.00	
<b>Leads for IRKT/IRKH modules</b>								
			64432115AA	162-530	110.00	78.00	64.00	

SCR Capsules



- Double sided cooling
- High current surge capability
- Low inductance internal construction

Package E: H=14, Dia=42  
Package F: H=27, Dia=76  
Package G: H=27, Dia=58  
Package Y: H=37.7, Dia=112.5  
Package MU140: H=33.5, Dia=102

I <sub>T</sub> (av) @ 60°C	V <sub>RRM</sub> V	I <sub>T</sub> (rms) @ 60°C	I <sub>TSM</sub> @ 125°C	V <sub>T</sub> V	I <sub>gt</sub> mA	di/dt A/μs	dv/dt V/μs	Case Style	Mftrs. list No.
724	1000	1140	9800	3.0	150	700	1000	E	DCR720E10
724	1600	1140	9800	3.0	150	700	1000	E	DCR720E16
1850	800	2900	32500	3.5	200	1000	1000	F	DCR1002SF08
1850	1400	2900	32500	3.5	200	1000	1000	F	DCR1002SF14
1045	1000	1641	14000	3.5	200	1000	1000	G	DCR803SG10
1045	1000	1641	14000	3.5	200	1000	1000	G	DCR803SG16
1255	2400	1971	20500	3.5	200	500	1000	F	DCR1006SF24
2694	1600	4230	50000	3.0	350	1000	1000	MU140	DCR1374SBA16

249061

Mftrs. List No.	Order Code	1+	3+	+	+
DCR1002SF14	430-9315	13,095.00	12,991.00	--	--
DCR1002SF14	117-3519	12,325.00	12,226.00	--	--
DCR1006SF24	430-9297	13,069.00	12,154.00	--	--
DCR1374SBA16	430-9339	27,633.00	25,699.00	--	--
DCR1375SBA24	430-9327	27,356.00	25,442.00	--	--
DCR1474SY16	430-9364	35,794.00	33,289.00	--	--
DCR1475SY18	430-9340	34,160.00	31,769.00	--	--
DCR1475SY22	430-9352	35,473.00	32,990.00	--	--
DCR720E10	430-9250	4,240.00	4,189.00	--	--
DCR720E16	430-9261	4,463.00	4,410.00	--	--
DCR720E16	117-3517	4,463.00	4,150.00	--	--
DCR803SG10	430-9273	7,854.00	7,304.00	--	--
DCR803SG16	430-9285	7,704.00	7,612.00	--	--
DCR803SG16	117-3518	7,704.00	7,165.00	--	--

Semiconductors - Discretes

21

Compliant  
Non-compliant  
+ Limited stock - RoHS replacement available

RoHS