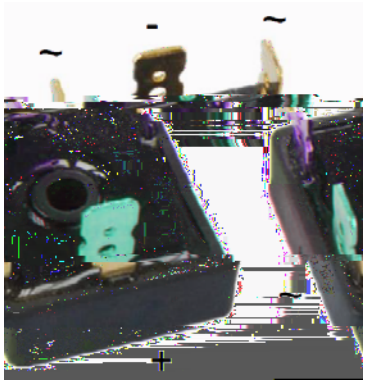
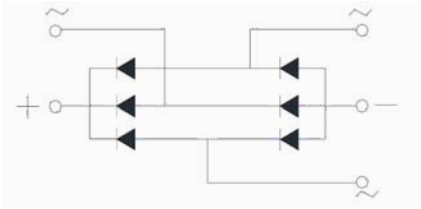




- UL recognition, file #E230084
- Low thermal resistance
- Glass passivated chip junction
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification for 、 、

- : MDS35
  Molding compound meets UL 94 V-0 flammability rating
- : Au plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

■ (Ta=25℃ Unless otherwise specified)

Device marking code			MDS35-4	MDS35-6	MDS35-8	MDS35-10	MDS35-12	MDS35-14	MDS35-16
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	400	600	800	1000	1200	1400	1600
Maximum RMS Voltage	V_{RMS}	V	280	420	560	700	840	980	1120
Maximum DC blocking Voltage	V_{DC}	V	400	600	800	1000	1200	1400	1600
Average rectified output current @60Hz sine wave, R-load With heatsink Tc =105	I_O	A	35.0						
Forward Surge Current (Non-repetitive) @8.3ms Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	400						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			800						
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode	I^2t	A^2s	664						
Storage temperature	T_{stg}		-55 ~ +150						
Junction temperature	T_j		-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute	V_{dis}	KV	2.5						
Mounting torque @Recommend torque：5kg cm	Tor	kg cm	8						

■ （T_a=25℃ Unless otherwise specified）

Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=17.5A	1.1						
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j=25	5						
			T_j=125	500						
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	185						

■ （T_a=25℃ Unless otherwise specified）

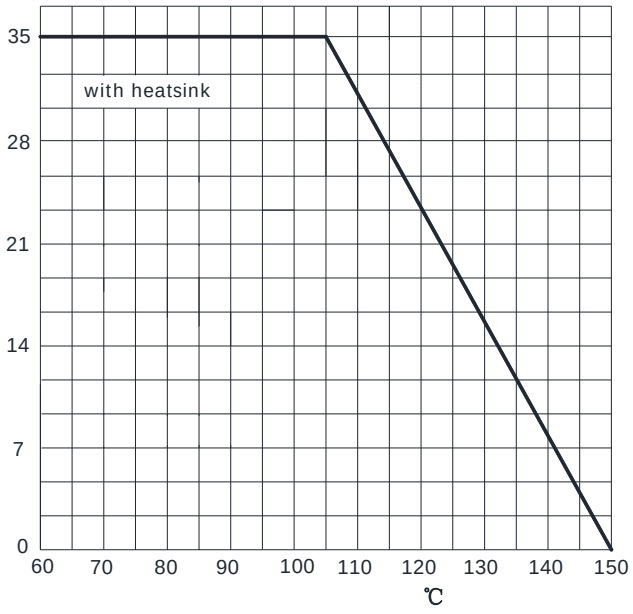
Typical Thermal Resistance	Between junction and case, With heatsink	$R_{\theta J-C}$	℃/W	0.8						

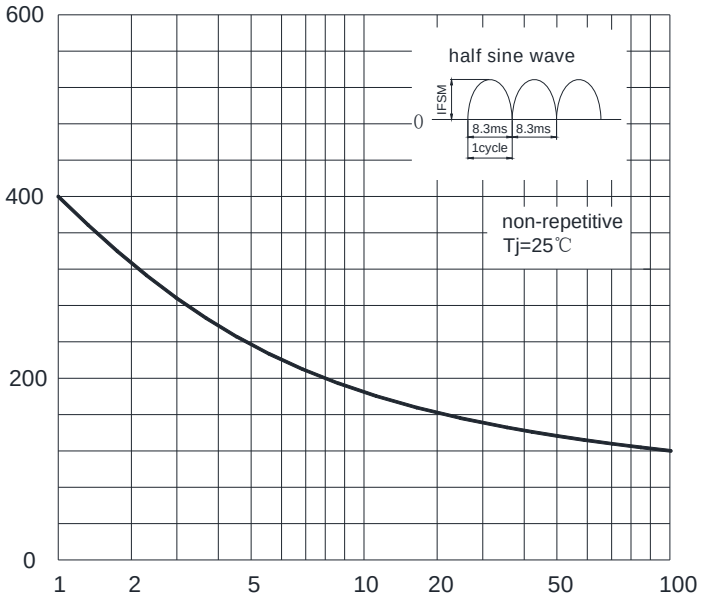
Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

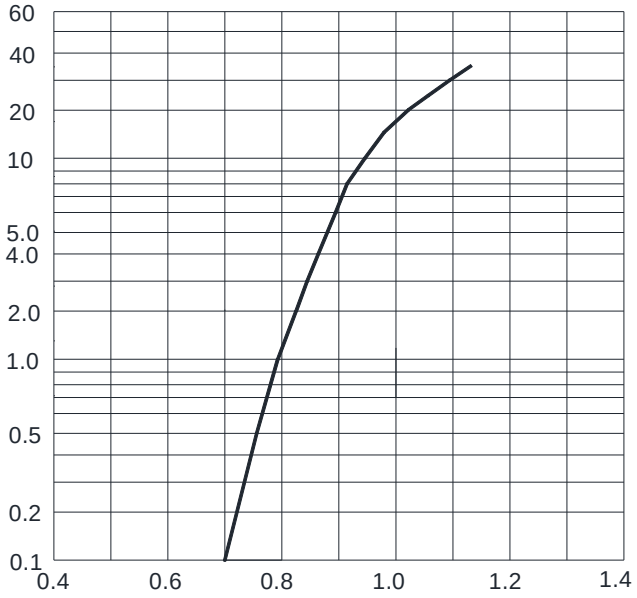
■ (Example)

	A1	Approximate 17.5	50	50	500	Paper Box

■ (Typical)







■

A	32.0	33.0
B	23.7	24.7
C	15.5	16.5
D	8.6	9.4
E	22	24
F	6.2	6.5
G	4.8	5.4
H	0.75	0.85

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