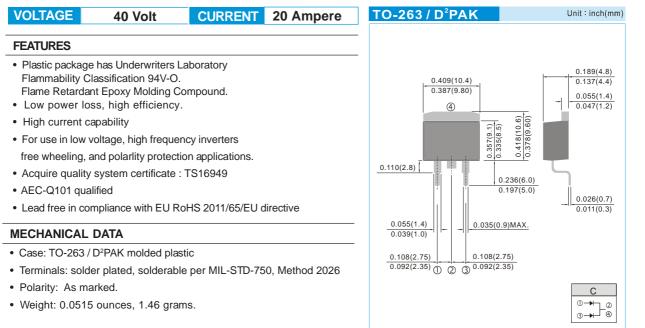
### 20 AMPERES SCHOTTKY BARRIER RECTIFIERS



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

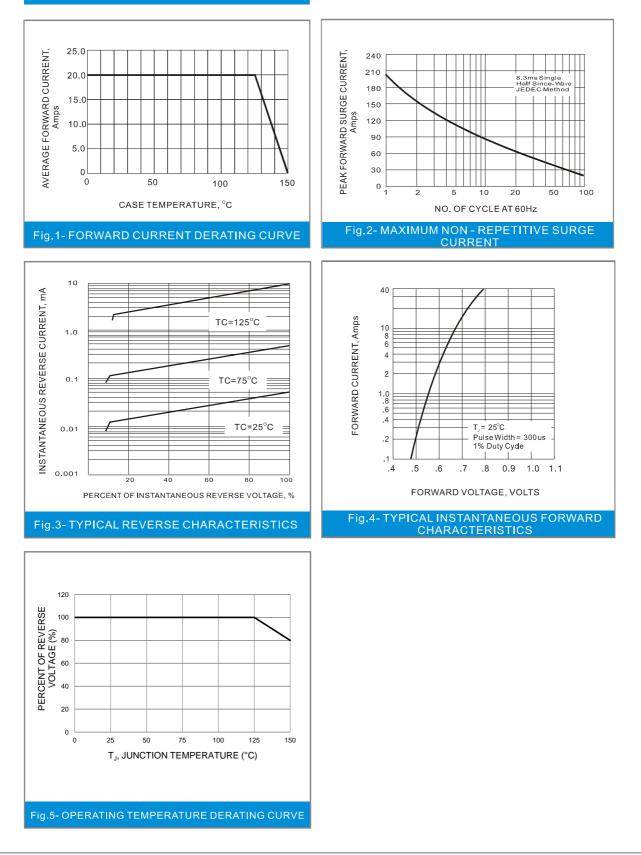
PARAMETER	SYMBOL	VALUE	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	40	V
Maximum RMS Voltage	V <sub>rms</sub>	28	V
Maximum DC Blocking Voltage	V <sub>dc</sub>	40	V
Maximum Average Forward Current (See fig.1)	I <sub>F(AV)</sub>	20	А
Peak Forward Surge Current :8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	200	А
Maximum Forward Voltage at 10A, per leg	V <sub>F</sub>	0.7	V
Maximum DC Reverse Current at Rated DC Tc=25 °C Blocking Voltage Tc=125°C	I <sub>R</sub>	0.05 20	mA
Typical Thermal Resistance	R <sub>ejc</sub>	2	°C / W
Operating Junction Temperature Range	TJ	-50 to + 150	°C
Storage Temperature Range	Т <sub>stg</sub>	-50 to + 150	°C

Notes :

Both Bonding and Chip structure are available.

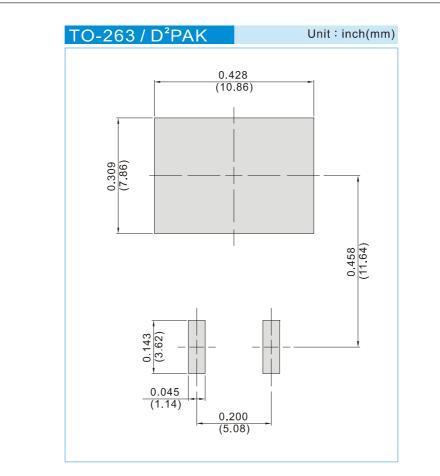


### RATING AND CHARACTERISTIC CURVES





#### MOUNTING PAD LAYOUT



#### **ORDER INFORMATION**

Packing information

T/R - 0.8K per 13" plastic Reel



## Part No\_packing code\_Version

MBR2040DC-AU\_R2\_000A1 MBR2040DC-AU\_R2\_100A1

## For example :

RB500V-40\_R2\_00001

Part No.

Serial number

-

Version code means HF

Packing size code means 13"

• Packing type means T/R

Packing Code XX			Version Code XXXXX			
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.