Ã a ? d / Absolute Maximum Ratings(Ta=25 ;)

@ *f* Parameter		… Z Symbol	*f* › Rating	% y Unit
Peak Pulse Power Dissipation on T_A=25°C (Note 1,2,4, Fig1)		P_{PPM}	400	W
Peak Forward Surge Current (Note 3,Fig 4)		I_{FSM} (UNI)	60	A
Peak Pulse Current on 10/1000 us waveform (Note 1, Fig 3)		I_{PPM}	see Table 1	A
ESD Voltage per IEC6100-4-2	Contact	V_{ESD1}	f 30	KV
	Air	V_{ESD2}	f 30	KV
Typical Thermal Resistance Junction to Ambient(Note 2)		R_{JA}	100	/W
Operating Junction Temperature and Storage Temperature Range		T_j, T_{stg}	-65 ~ +150	

Note:

1. Non-repetitive current pulse, per Fig.3 and derated above T_A = 25°C per Fig. 2.
2. Mounted on 5mm^2 copper pads to each terminal.
3. Peak Forward Surge Current : 8.3ms single half sine-wave Superimposed on rated load (JEDEC method).
4. Peak pulse power waveform is 10/1000 S.

Type		Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current	Package	
			V_{BR} @ I_T		I_T	I_R @ V_{RRM}	V_C @ I_{PP}	I_{PP}	SMA	
		V_{RRM}	Min	Max					Device Marking Ccode	
UNI	BI	V	V	V	mA	uA	V	A	UNI	BI
BRSMAJ5.0AQ	BRSMAJ5.0CAQ	5	6.4	7	10	800	9.2	43.5	AEQ	WEQ
BRSMAJ6.0AQ	BRSMAJ6.0CAQ	6	6.67	7.37	10	800	10.3	38.8	AGQ	WGQ
BRSMAJ6.5AQ	BRSMAJ6.5CAQ	6.5	7.22	7.98	10	500	11.2	35.7	AKQ	WKQ

Type		Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current	Package	
			V_{BR} @ I_T		I_T	I_R @ V_{RRM}	V_C @ I_{PP}	I_{PP}	SMA	
		V_{RRM}	Min	Max					Device Marking Ccode	
UNI	BI	V	V	V	mA	uA	V	A	UNI	BI

Ô ? d • Ž ¢ / Electrical Characteristic Curve

, M y ƒ / Marking Instructions

AEQ
****

ª ¢ y

' + y º Z W A

7 y V ñ —)í D } ö œ

**** y ÿ D Z W A k š ÿ D Z J

Note:

AE y Product Type Code

Q: Automobile halogen-free product Code

**** y Lot No. Code, code change with Lot No

, M y ƒ / Marking Instructions

WEQ
****

ª ¢ y

= + y º Z W A

7 y V ñ —)í D } ö œ

**** y ÿ D Z W A k š ÿ D Z J

Note:

WE y Product Type Code

Q: Automobile halogen-free product Code

**** y Lot No. Code, code change with Lot No

š WD t … • Ž ¢ (x /) / : K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6

ª ¢ y

Note:

1o• Ä ½ “ † 150 ½200 - k ž • 60 ½120sec;

1.Preheating:150~200 - , Time:60~120sec.

2o• Q › “ † 255 r 5 - k ž • 4 Ò 5 r 0.5sec;

2.Peak Temp.:255 r 5 - , Duration:5 r