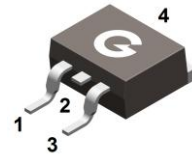
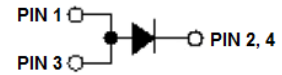


Features

- High temperature soldering guaranteed
- Low leakage current
- Low forward voltage drop

HF



TO-263

Mechanical Data

- Case: TO-263
- Molding Compound: UL Flammability Classification Rating 94V-0
- Terminals: Matte tin-plated leads; solderability-per MIL-STD-202, Method 208

Ordering Information

Part Number	Package	Shipping Quantity	Marking Code
7.0D2PAK22	TO-263	50 pcs / Tube & 800 pcs / Tape & Reel	FZ

Maximum Ratings

 (@ T_A = 25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Pulse Power (t _p = 10/1000μs)	P _{PP}	7000	W
Peak Pulse Current (t _p = 10/1000μs)	I _{PP}	180	A

Thermal Characteristics

Parameter	Symbol	Value	Unit
Junction Temperature Range	T _J	-55 ~ +175	°C
Storage Temperature Range	T _{STG}	-55 ~ +175	°C

Electrical Characteristics

 (@ T_A = 25°C unless otherwise specified)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Reverse Stand-off Voltage	V _{RWM}		-	-	24	V
Reverse Breakdown Voltage	V _(BR)	I _T = 1mA	26.7	-	29.5	V
Reverse Leakage Current	I _R	V _{RWM} = 24V	-	-	10	μA
Clamping Voltage	V _C	I _{PP} = 180A, t _p = 10/1000μs	-	-	38.9	V

Ratings and Characteristic Curves (@ $T_A = 25^\circ\text{C}$ unless otherwise specified)

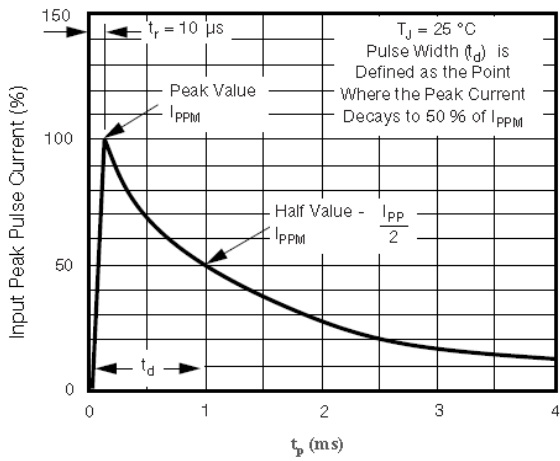


Fig 1 10/1000µs waveform per IEC61000-4-5

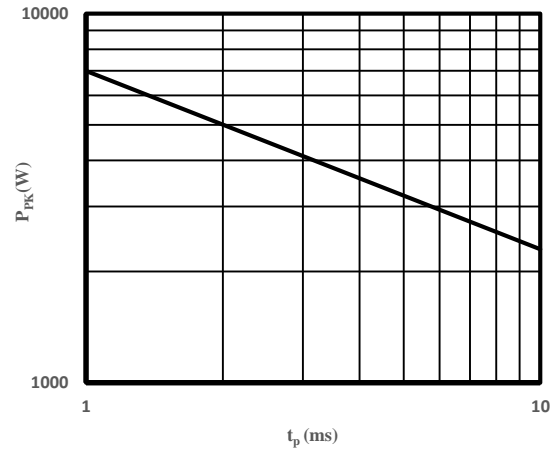


Fig 2 Peak Pulse Current Rating Curve

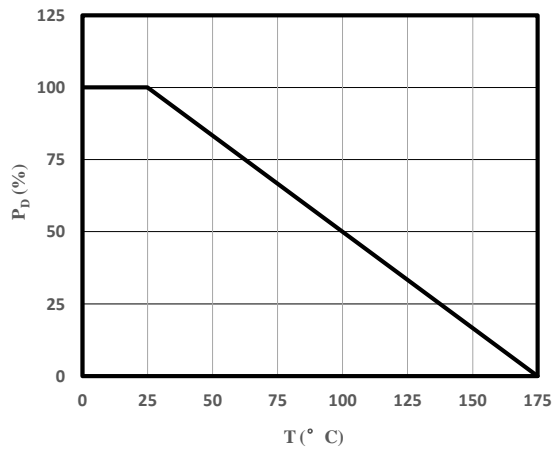
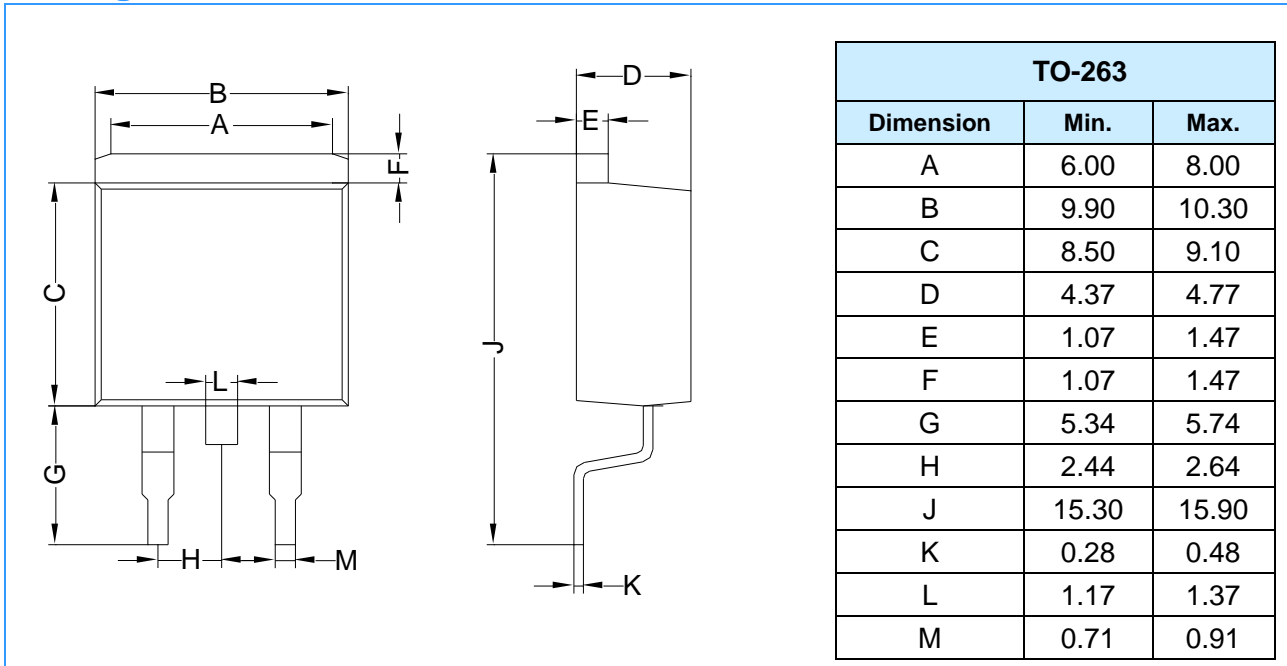
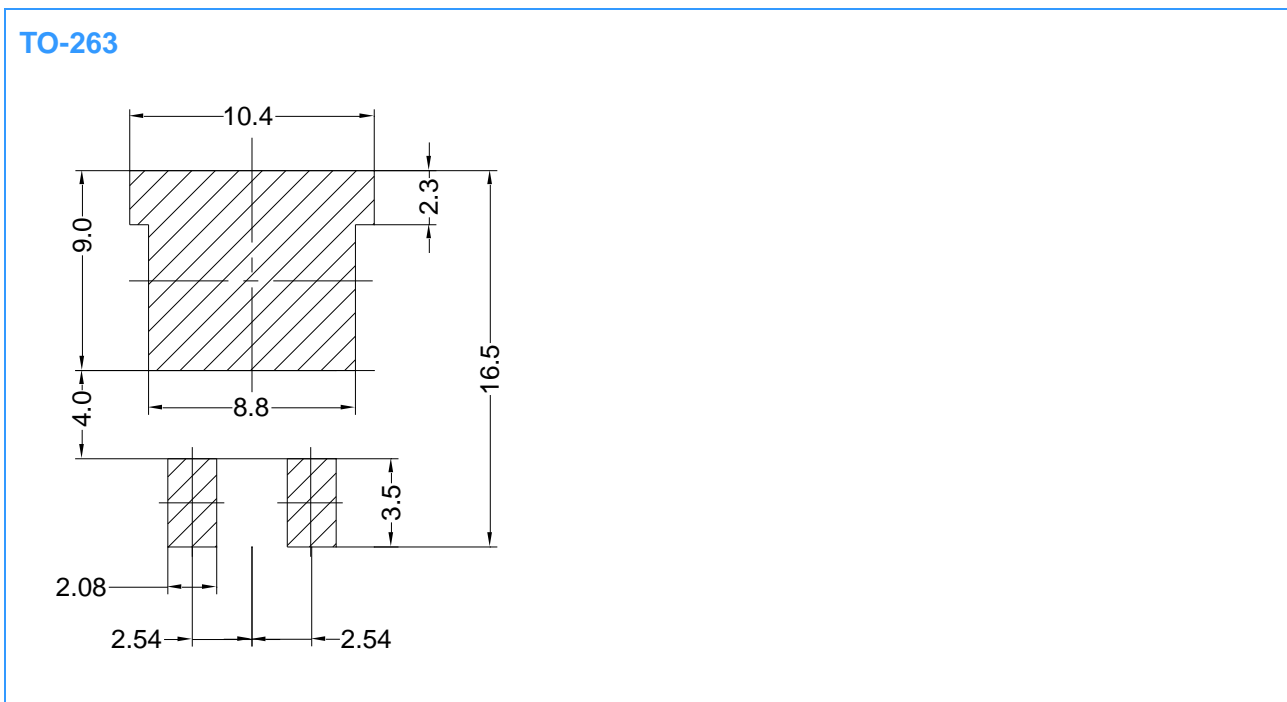


Fig 3 Power Derating Curve

Package Outline Dimensions (Unit: mm)



Mounting Pad Layout (Unit: mm)



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