

RF Solution offer a wide selection of Surface Mount Circulator for global customers. SMTH-D12.3B is a Surface Mount Circulator in Frequency Range of 1400~6000 MHz. It is made of high quality materials under a high standard, the Bandwidth Max of this product is 20%, Insertion Loss Max is 0.30~0.60 dB and Isolation Min is 17.0~23.0 dB. The component has a good working performance and stability, it is ideal for handling a Power of 30 W.

## **Product Details**

Part Number	SMTH-D12.3B
Description	1400 to 6000 MHz Surface Mount Circulator

## **General Parameters**

Frequency Range1400~6000 MHzBandwidth Max20%Insertion Loss Max0.30~0.60 dBIsolation Min17.0~23.0 dBPower30 WVSWR Max1.20~1.30Impedance50 ΩConnector TypeSMTSize012.3*7.0 mmWeight5 gOperating Temperature-40~+80 °CStorage Temperature50~+90 °CROHS CompliantYes		
Insertion Loss Max0.30~0.60 dBIsolation Min17.0~23.0 dBPower30 WVSWR Max1.20~1.30Impedance50 ΩConnector TypeSMTSizeΦ12.3*7.0 mmWeight5 gOperating Temperature-40~+80 °CStorage Temperature-50~+90 °C	Frequency Range	1400~6000 MHz
Isolation Min17.0~23.0 dBPower30 WVSWR Max1.20~1.30Impedance50 ΩConnector TypeSMTSizeΦ12.3*7.0 mmWeight5 gOperating Temperature-40~+80 °CStorage Temperature50~+90 °C	Bandwidth Max	20%
Power30 WVSWR Max1.20~1.30Impedance50 ΩConnector TypeSMTSizeΦ12.3*7.0 mmWeight5 gOperating Temperature-40~+80 °CStorage Temperature-50~+90 °C	Insertion Loss Max	0.30~0.60 dB
VSWR Max1.20~1.30Impedance50 ΩConnector TypeSMTSizeΦ12.3*7.0 mmWeight5 gOperating Temperature-40~+80 °CStorage Temperature-50~+90 °C	Isolation Min	17.0~23.0 dB
Impedance50 ΩConnector TypeSMTSizeΦ12.3*7.0 mmWeight5 gOperating Temperature-40~+80 °CStorage Temperature-50~+90 °C	Power	30 W
Connector TypeSMTSize $\Phi 12.3*7.0  \text{mm}$ Weight5 gOperating Temperature $-40 \sim +80  ^\circ \text{C}$ Storage Temperature $-50 \sim +90  ^\circ \text{C}$	VSWR Max	1.20~1.30
SizeΦ12.3*7.0 mmWeight5 gOperating Temperature-40~+80 °CStorage Temperature-50~+90 °C	Impedance	50 Ω
Weight5 gOperating Temperature-40~+80 °CStorage Temperature-50~+90 °C	Connector Type	SMT
Operating Temperature -40~+80 °C   Storage Temperature -50~+90 °C	Size	Φ12.3*7.0 mm
Storage Temperature -50~+90 °C	Weight	5 g
	Operating Temperature	-40~+80 °C
ROHS Compliant Yes	Storage Temperature	-50~+90 °C
	ROHS Compliant	Yes

## Outline Drawing (mm)

