



QSS-FB20EG

E-Band PIN Switch

DESCRIPTION

QuinStar's QSS-FB20EG is a high-speed PIN diode switch. This unit covers the entire 60-90GHz E-band frequency range. The QSS-FB20EG can switch states in 50 ns using standard +/-5V control voltages. RF connection is through a standard WR-12 port. Configurations include SPST, SPDT, and SP3T.

FEATURES

- Low 2.5dB average insertion loss
- High 20dB isolation

APPLICATIONS

- Transmit / receive modules
- Control systems
- Please contact us for configuration options of SPST, SPDT, and SP3T.

TECHNICAL SPECIFICATIONS

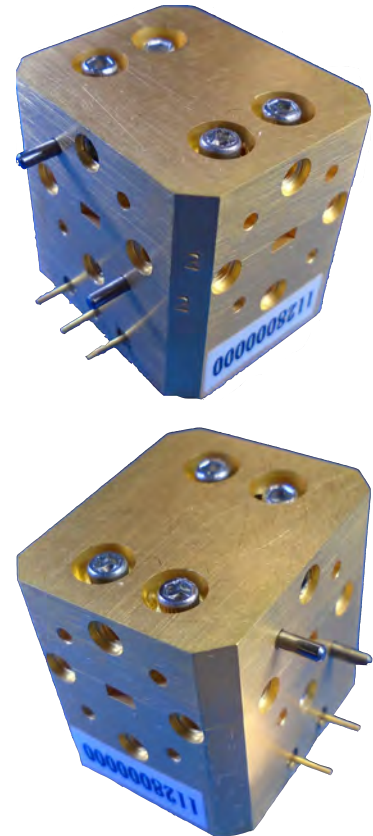
PARAMETER	TYPICAL
Frequency	60-90GHz
On-state Loss	2.5dB
Off-state Isolation	20dB
Switching Speed	50ns

OPERATING CONDITIONS

PARAMETER	TYPICAL
TTL	+/-5V
TTL Current	30mA

ABSOLUTE MAXIMUM RATING

PARAMETER	TYPICAL
TTL	+6V/-10V
Pin	+10dBm



E-BAND PIN SWITCH

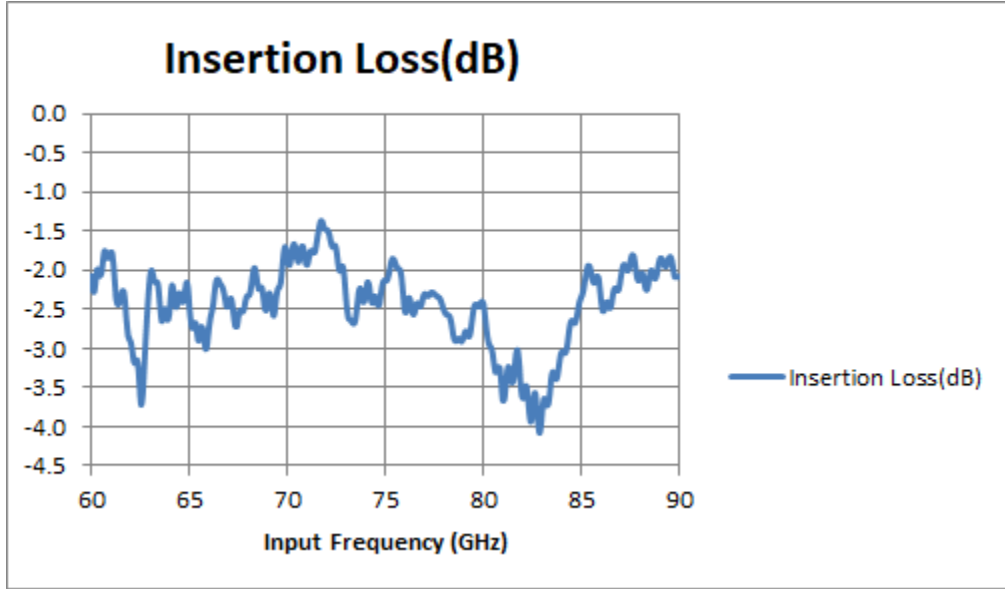




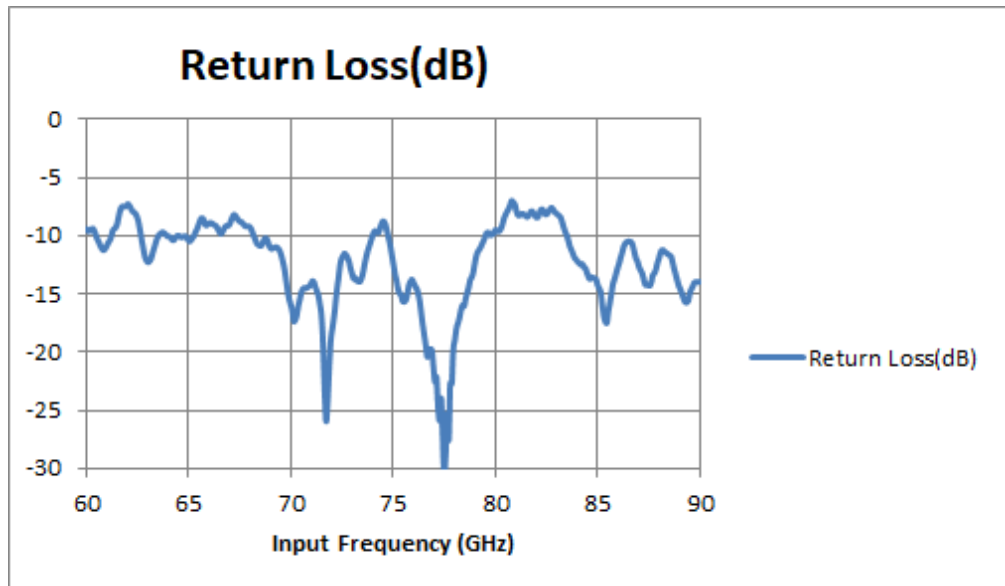
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INSERTION LOSS (dB)



RETURN LOSS (dB)

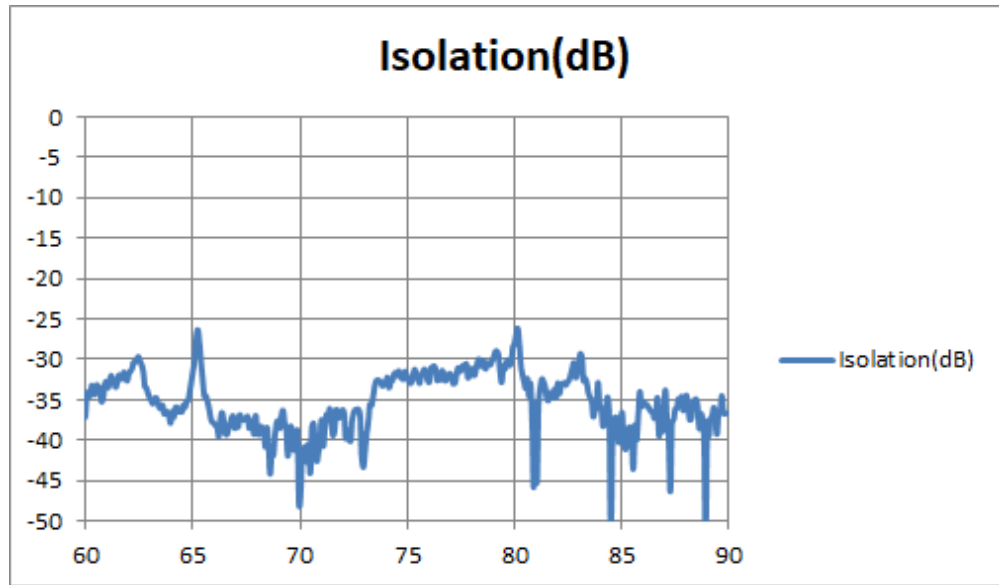




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ISOLATION (dB)



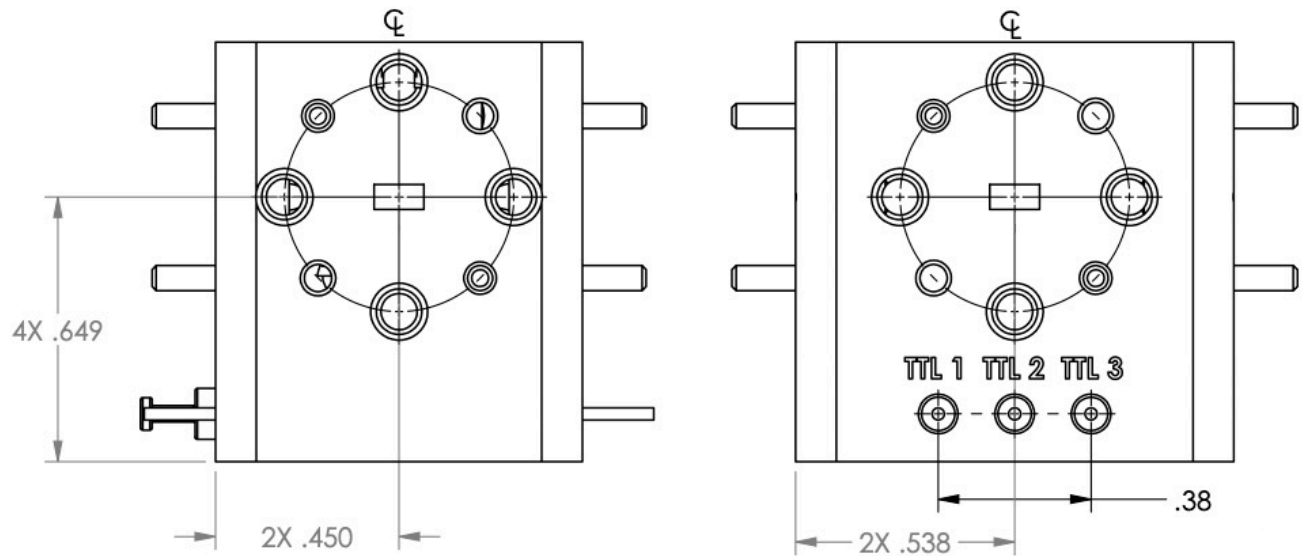
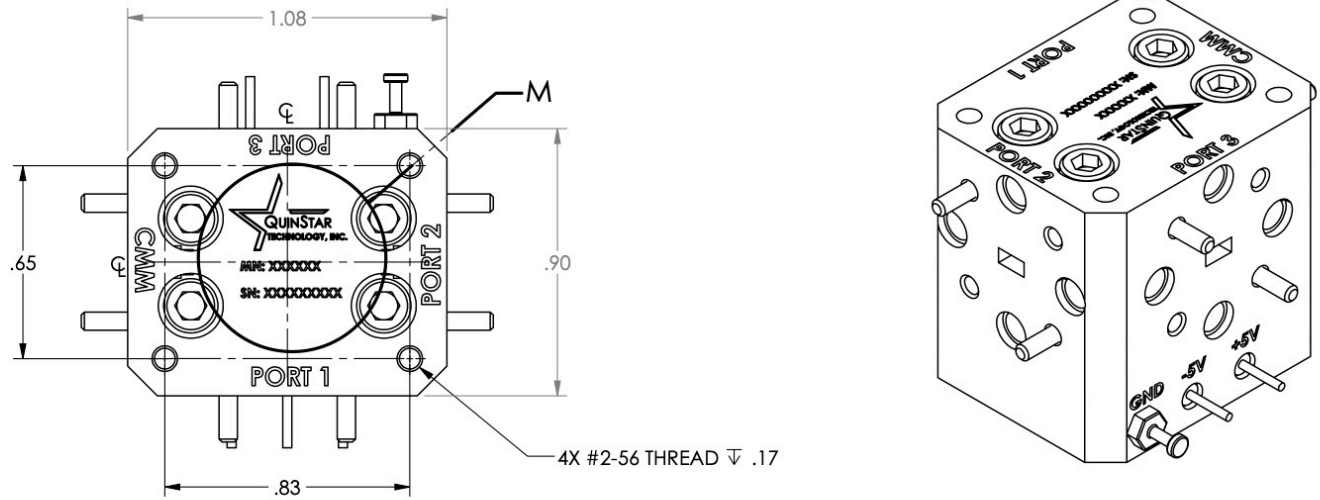


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MECHANICAL OUTLINE

Note: This drawing reflects outline/interface dimensions only, unless otherwise specified.





QSS-FB20EG

E-Band PIN Switch

MECHANICAL OUTLINE (Continued)

Note: This drawing reflects outline/interface dimensions only, unless otherwise specified.

