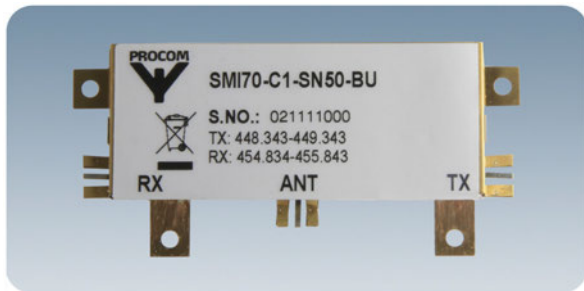


SMI 70-C1-SN(50)-BU

450 MHz Ceramic Microplexer

DESCRIPTION

- Extremely small and lightweight ceramic duplexer (Extremely small: only 12 cm³!). Ideal for integration in portable 450 MHz cellular radio telephones.
- Rugged mechanical design and low temperature drift.
- High power handling – handles 20 W at 85°C when mounted on a 40 cm heatsink!
- Designed for direct drop-in on microstrip PCB. Coplanar terminals save space and provide ease-of-manufacturing and a non-discontinuity interface to the PCB.
- Rejection of image frequency of receiver.
- Weather- and shockproof.
- Request quotation for other systems.



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
SMI 70-C1-SN(50)-BU	200000647

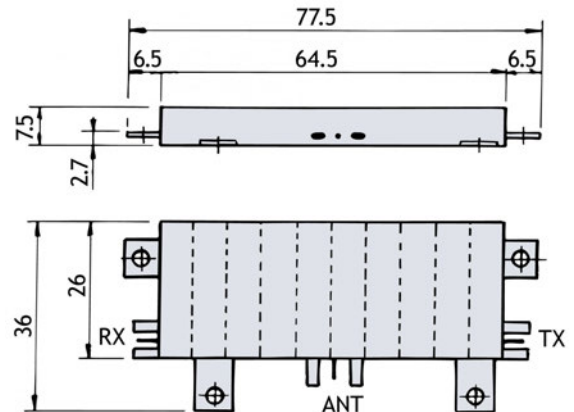
COMMON SPECIFICATIONS

ELECTRICAL	
MODEL	SMI 70-C1-SN(50)-BU
MAX. INPUT POWER	6 W without heatsink 20 W with heatsink
IMPEDANCE	Nom. 50 Ω
MECHANICAL	
TEMP. RANGE	-30° C → +85° C
CONNECTIONS	Drop-in, coplanar
TOTAL DIMENSIONS (L x W x H)	77.5 x 36 x 7.5 mm
HOUSING ONLY (L x W x H)	64.5 x 26 x 7.5 mm
WEIGHT	Approx. 50 g

SPECIFICATION

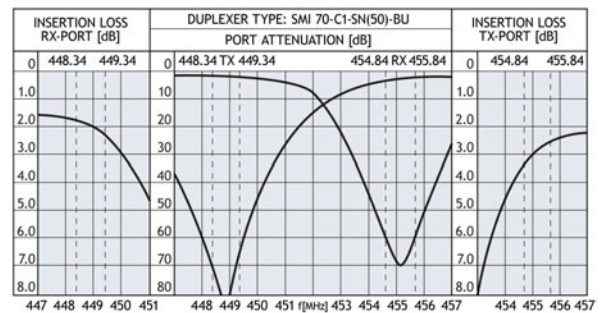
MODEL	SMI 70-C1-SN(50)-BU	
TX FREQ.	448.343 - 449.343 MHz	
RX FREQ.	454.843 - 455.843 MHz	
BRANCH	TX → Ant.	Ant. → RX
INSERTION LOSS IN PASSBAND	≤ 1.7 - 2.3 dB	≤ 2.7 - 3.3 dB
ATT. IN STOPBAND	> 55 dB	> 60 dB
NOTCH DEPTH	70 - 80 dB	
SWR	≤ 1.5 dB	
NOTCH ANT - RX	493.7 MHz > 23 dB	

FUNCTIONAL DIMENSIONS



Detailed installation drawing available upon request.

TYPICAL RESPONSE CURVES



PROCOM A/S reserve the right to amend specifications without prior notice.

02/05/12