

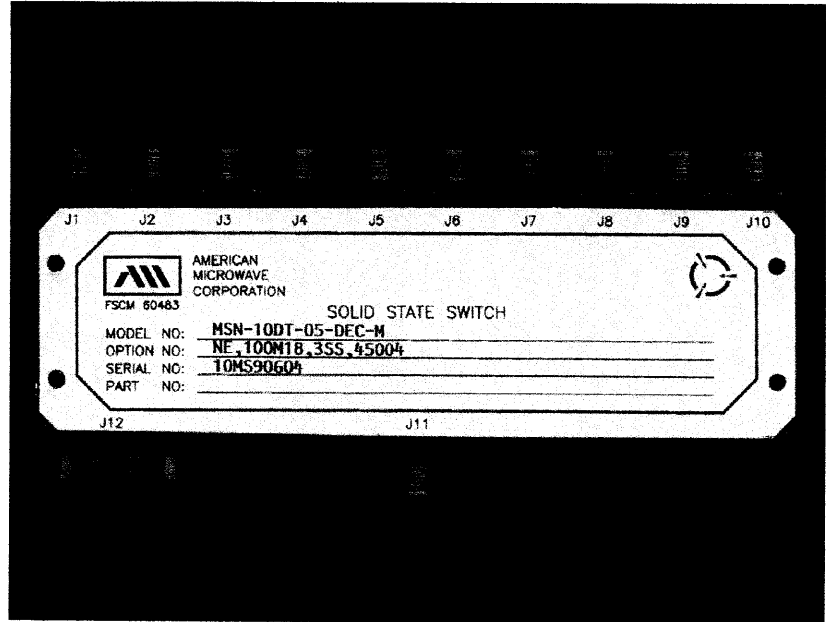


**AMERICAN MICROWAVE
CORPORATION**

SP10T NON-REFLECTIVE (ABSORPTIVE) RECTANGULAR SOLID STATE SWITCH

KEY FEATURES

- 100 MHz TO 18 GHz
(10MHz to 18GHz optional)
- HIGH ISOLATION
- LOW INSERTION LOSS
- SLIMLINE RECTANGULAR
- TTL LOGIC COMPATIBLE



AMC MODEL No: MSN-10DT-05-DEC-M OPTIONS NE, 100M18, 3SS, 45004

SPECIFICATIONS: (NON-REFLECTIVE)

● FREQUENCY RANGE	:	100 MHz to 18 GHz (10MHz to 18GHz Optional)
● INSERTION LOSS	:	4.5 dB MAX.
	:	2.25 dB TYP. @ 100 MHz
	:	2.50 dB TYP. @ 2.0 GHz
	:	3.25 dB TYP. @ 10.0 GHz
	:	4.50 dB TYP. @ 18.0 GHz
● ISOLATION	:	≥ 60 dB MIN.
	:	≥ 95 dB TYP. @ 100 MHz
	:	≥ 80 dB TYP. @ 2.0 GHz
	:	≥ 65 dB TYP. @ 10.0 GHz
	:	≥ 60 dB TYP. @ 18.8 GHz
● VSWR	:	2.0:1
● SWITCHING SPEED	:	"RISE" 250nS MAX., 200nS TYP.
	:	"FALL" 50nS MAX., 25nS TYP.
	:	"ON" 300nS MAX., 250nS TYP.
	:	"OFF" 100nS MAX., 75nS TYP.
● CONTROL	:	4 Bit Decoder (Independent TTL Control available)
● VIDEO TRANSIENTS	:	≤3.8 V Peak to Peak, 300 MHZ Bandwidth
	:	≤2.6 V Peak to Peak, 20 MHZ Bandwidth
● RF INPUT POWER	:	+20dBm Operating, 1 Watt Survival (Other power Levels available)
● DC POWER SUPPLY	:	+5vdc @ +325mA MAX.
(Other supply voltages available)	:	- 15vdc @ - 29.3mA MAX.
● SIZE	:	5" (L) X 1.5 (W) X 0.40" (H)
● WEIGHT	:	≤ 6.0 oz.

OCTOBER 25, 1999

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