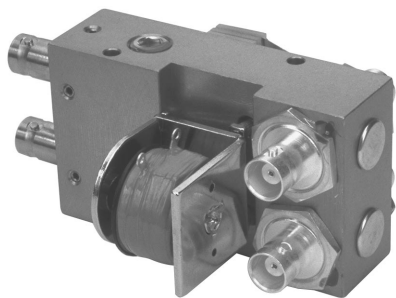




**DowKey®
Microwave**
CORPORATION

The DowKey 260 Series is a standard DPDT switch with six connectors, allowing two of four straight-through paths from two inputs. The 260B is identical in construction, except that there is an internal connection between the N/C contacts, leaving only four connectors. The 260B Series is widely used to insert or by-pass a circuit element (such as an amplifier or filter) in a transmission path between two normally connected elements. Both are available with a choice of actuator coils, connector options, and a pair of form "C" auxiliary contacts.



Typical applications for the 260 & 260B Series include:

- Inserting a Linear Amplifier Between an Exciter and an Antenna
- Filter, Attenuator, or Amplifier By-Pass Switching
- Insert Filters or Attenuators in a Transmission Path
- Dual Simultaneous Transmit/Receive or Antenna Switching

**DowKey® 260 Series DPDT &
260B Series
By-Pass Switch**

Specifications :

Operating Voltage:
(across temperature range)
12 Vdc (11-14 Vdc)
26.5 Vdc (24-32 Vdc)

Coil Current (Nominal):
12 Vdc 250 mA
26.5 Vdc 110 mA

Operate Time:
25 mS maximum

Operating Temperature:
0°C to +65°C

Mechanical Life, Cycles:
1 x 10⁶ minimum

Nominal Weight:
12..0 oz., (340g.)

RF Characteristics

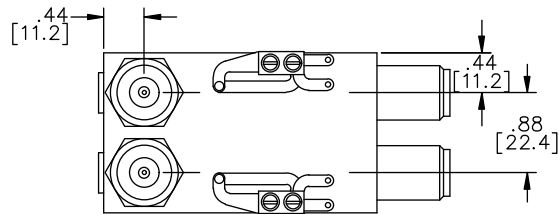
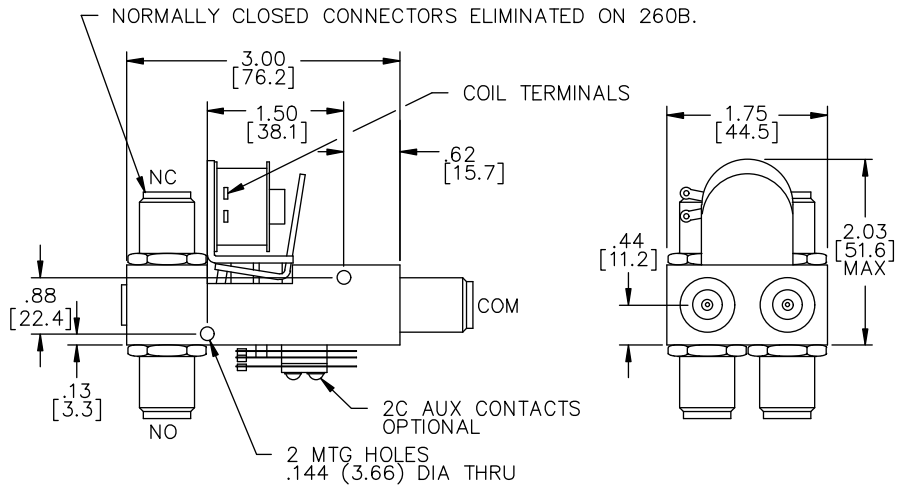
Frequency MHz	VSWR (max)	Isolation dB (min)	Ins. Loss dB (max)	RF Power Watts (max)
0-50	1.05	40	0.04	1,000
50-100	1.08	35	0.05	1,000
100-400	1.15	25	0.10	1,000-500
400-1,000	1.20	18	0.15	500-350

Connectors and Part Numbers

Nominal Coil Voltage	Connector Type	DPDT	with 2 "C" Ind. Contacts	By-Pass	with 2 "C" Ind. Contacts
12 Vdc	N	260-2201	260-220142	260B-2201	260B-220142
26.5 Vdc	N	260-2301	260-230142	260B-2301	260B-230142
115 Vac	N	260-2601	260-260142	260B-2601	260B-260142
12 Vdc	BNC	260-2202	260-220242	260B-2202	260B-220242
26.5 Vdc	BNC	260-2302	260-220242	260B-2202	260B-220242
115 Vac	BNC	260-2602	260-220242	260B-2202	260B-220242
12 Vdc	UHF*	260-2204	260-220442	260B-2204	260B-220442
26.5 Vdc	UHF*	260-2304	260-230442	260B-2304	260B-230442
115 Vac	UHF*	260-2604	260-260442	260B-2604	260B-260442

*Not recommended for applications above 300 MHz.

Mechanical



TYPICAL CONNECTOR LENGTHS

CONN. DIM.	N 01	UHF 04	BNC 02
(Shown)			
COM.	0.50 [12.7]	0.50 [12.7]	0.70 [17.8]
NC, NO	0.70 [17.8]	0.70 [17.8]	0.60 [15.2]

Electrical

