

# TCD WIDEBAND DELAY LINE MODULES

## General Characteristics

The TCD Wideband Delay Modules are fixed delay lines i.e. they provide a fixed amount of delay for a given impedance. The SCD modules contain a number of sections of delay which, using a suitable switching arrangement, can be cascaded together or selected individually.

In general (for a given size delay module) the higher the input/output impedance the lower the delay - but bandwidth is increased and delay variation over the band is less; for lower input/output impedance the opposite is true but more delay is packed into a smaller area.

PART NUMBER	Drawing no.	No. of S.I.L. Pins (0.1" pitch)	Impedance IN/OUT	Total Delay for module	3dB Bandwidth
TCD075M07	DR00165	10	75 ohms	7ns	300 MHz
TCD037B07	DR00165	10	37.5 ohms	14ns	150 MHz
SCD150E16	TBD	23	150 ohms	16ns	200 MHz
SCD100B24	TBD	23	100 ohms	24ns	150MHz
SCD075A32	DR00340	23	75 ohms	32ns	100 MHz
SCD100A32	TBD	33	100 ohms	32ns	100MHz
SCD075A8X4	DR00347	29	75 ohms	32ns in 8x4ns sections	100 MHz
SCD050C48	TBD	23	50 ohms	48ns	75 MHz
SCD075A48	TBD	33	75 ohms	48ns	75 MHz
SCD037D64	TBD	23	37.5 ohms	64ns	50 MHz
SCD050D70	DR00346	33	50 ohms	70ns	50 MHz

### 3dB bandwidth codes

M = 300MHz

E = 200MHz

B= 150MHz

A = 100MHz

C=75MHz

D=50MHz

