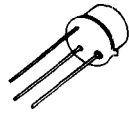
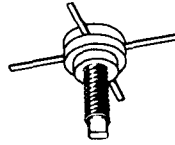


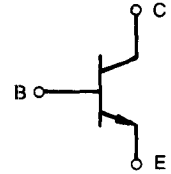
**RF & MICROWAVE TRANSISTORS**



TO 39



TO 117



40 ... 900 MHz CLASS A LINEAR FOR CATV/MATV APPLICATIONS

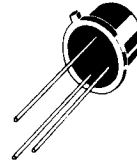
Type		Package	V(BR) CEO min (V)	f <sub>T</sub> @ I <sub>C</sub> (MHz) (mA)	C <sub>12e</sub> C <sub>22b*</sub> (pF)	NF @ I <sub>C</sub> / f (dB) (mA) (MHz)	V <sub>out</sub> @ I <sub>ND</sub> / CMD (mV) (dB) (dB)						
P/N	SD #												
2N 5109	SD 1040-6	N	TO-39	20	1200	50	3.5	3 (1)	10	200			
SD 1006		N	TO-39	30	1500	50	3.5 *	8 (2)	50	216	180	-57 (3)	-57 (4)
SD 1316		N	TO-39	20	4000	50	1.5	2	20	200	315	-51 (3)	-60 (5)
SD 1005		N	TO-117	30	1500	70	4.0 *	9 (2)	70	216	315	-50 (3)	-50 (4)
SD 1317		N	TO-117	20	4000	90	1.2	2.1	40	500			

- (1) Narrow band.
  - (2) Broad band.
  - (3) Second order IM : Chan. 2 + Chan. R, IM on Chan. 13 (FCC Channels).
  - (4) NCTA Cross Modulation (12 channels).
  - (5) Cross Modulation : Chan 2-4-5-7-9-11 100 % AM mod., XM on unmod. Chan 13 (FCC channels).
- SD # is the code used in our invoicing system.**

## SMALL SIGNAL TRANSISTORS



TO 72



TO 39

Polar.	Max ratings			Type	Characteristics				Package
	V <sub>CEO</sub> (V)	I <sub>C</sub> (mA)	P <sub>tot</sub> (mW)		f <sub>T</sub> (MHz)	NF (dB)	P <sub>G</sub> (dB)	f (MHz)	
NPN	15	25	200	BFY90	1400	4.5	8	800	TO-72
NPN	15	50	200	2N918	900	3.5	22	200	TO-72
NPN	15	50	200	BFX73	900	6	-	60	TO-72
PNP	25	50	225	BFR99A	2300	3.5	8	800	TO-72
NPN	20	200	600	2N3137	750	-	7	250	TO-39
NPN	30	200	800	BFR36	1000	4	16	200	TO-39
NPN	20	400	1000	2N5109	1400	3	14	200	TO-39

## SOLID STATE RELAYS

Type	Description	Package
LH1056 LH1061	Optically coupled high voltage solid state AC/DC relay Optically coupled high voltage solid state AC/DC relay	6-LEAD MINIDIP SPECIAL MINIDIP

## LOCAL AREA NETWORK

Type	Description	Package
MK5030 MK5032 MK5033 MK5035 MK50351 MK68592	Starlan HUB Local Area Network Controller for Ethernet (LANCE) and Starlan Manchester encoder/decoder Starlan Station Starlan Station compatible with MK5032 Serial Interface Adapter/Manchester encoder/decoder for Ethernet (300 mil)	DIP48 DIP48 DIP28 DIP20 DIP20 DIP20 DIP24

## PACKET SWITCHING

Type	Description	Package
MK5025	X.25 LAPB/ISDN LAPD/HDLC CMOS Hi-speed link level controller with DMA	DIP48, PLCC52

## FILTERS

See chapter «ANALOGUE CELLS AND ARRAYS»