

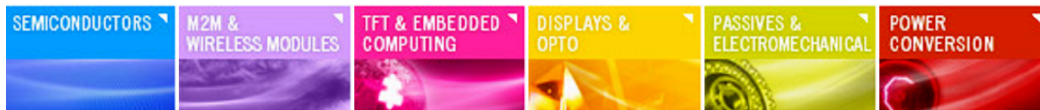
Overview Broadband Data Converters

DMUX

Device	Resol	Input Rate	DMUX Ratio	PD	P
AT84CS001	10	2.2 Gsps	1-2 1-4	2.6W	EBGA 240

ADC

Device	Resol	SAR	IB	ENOB	SFDR	C	SPR	PD	P
AT84AD004B	8-bit	500 Msps	1 GHz	7 bit	-58 dBc	2	1-1 1-2	1.4W	LQFP144
AT84AD001B	8-bit	1 Gsps	1.5 GHz	7.4bit	-60 dBc	2	1-1 1-2	1.4W	LQFP144
AT84AS003	10-bit	1.5 Gsps	3 GHz	>8bit	>60 dBc	1	1-2	6.5W	EBGA317
AT84AS004	10-bit	2 Gsps	3 GHz	7.8bit	-55 dBc	1	1-2 1-4	6.5W	EBGA317
TS83102G0B	10-bit	2 Gsps	3.3 GHz	8bit	-60 dBc	1	1-1	4.6W	CBGA 152
TS83102G0BMGS	10-bit	2 Gsps	3.3 GHz	8bit	-60 dBc	1	1-1	4.6W	CI-CGA 152
AT84AS008	10-bit	2.2 Gsps	3.3 GHz	>8bit	-58 dBc	1	1-1	4.2W	CI-CGA 152, CBGA 152
AT84AS001	12-bit	500 Msps	1.5 GHz	12bit	72 dBc	1	1-1	2.3W	EBGA192
EV8AQ160	8-bit	5 Gsps	2.5 GHz	7.5bit	52 dBc	4	1-1 1-2	3.9W	EBGA380



Mature ADC products

Device	Resol	SAR	IB	ENOB	SFDR	C	SPR	PD	P
TS8388B	8-bit	1 Gsps	1.5 GHz	7.2bit	-58 dBc	1	1	3.4 W	CQFP68, CBGA68

Mature MUXDAC products

Device	Resol	Sampling Rate	MUX Ratio	PD	P
TS86101G2B	10-bit	1.2 Gsps	4:1	3.6W	CBGA255, CICGA255

Mature DMUX products

Device	Resol	Input Rate	DMUX Ratio	PD	P
TS81102G0FS	8/10-bit	2 Gbps	1:4/8	---	TBGA240, CQFP196

IB = Input Bandwidth
C = Channels
SAR = Sampling Rate
SPR = Speed Ratio
PD = Power Dissipation
DS = Datasheet
P = Package