

[ISOLATOR FOR BASE STATION]

July 7, 2008

Systems Frequency	P/N	Ins.Loss [Typ.] (dB)Max.	Isolation (dB)Min.	V.S.W.R. Max.	Handling Power (W)Max.	Reflection Power (W)Max.	Size (mm)	Height (mm)	Mass Production	Sample	Data Sheet No.
Tx 869~894 MHz Cellular	ESI-5BB[]0881M01	0.65 [0.50]	13	1.5	5	1	5X5	1.9 +/- 0.1	Now	Now	TAE 993
	ESI-7SG[]0881M02	0.65 [0.45]	15				7X7	2.3 + 0.2/- 0.3			TAE 915
	ESI-7SG[]0881M04						TAE 894				
Rx 824~849 MHz	ESI-5BB[]0836M01	0.65 [0.50]	13	1.5	5	1	5X5	1.9 +/- 0.1	Now	Now	TAE 872
	ESI-7SG[]0836M02	0.60 [0.40]	15				7X7	2.3 + 0.2/- 0.3			TAE 966
	ESI-7SG[]0836M04						TAE 946				
Tx 925~960 MHz E-GSM	ESI-5BB[]0942M02	0.70 [0.52]	12	1.7	5	1	5X5	1.9 +/- 0.1	Now	Now	TAE 776-1
	ESI-7SG[]0942M02	0.65 [0.45]	15	1.5			7X7	2.3 + 0.2/- 0.3			TAE 938-1
	ESI-7SG[]0942M04			TAE 784-1							
Rx 880~915 MHz	ESI-5BB[]0897M02	0.70 [0.52]	12	1.6	5	1	5X5	1.9 +/- 0.1	Now	Now	TAE 974
	ESI-7SG[]0897M02	0.65 [0.45]	15	1.5			7X7	2.3 + 0.2/- 0.3			TAE 937
	ESI-7SG[]0897M04			TAE 901							
Tx 832~870 MHz J-CDMA	ESI-5BB[]0851M01	0.80 [0.63]	11	1.6	5	1	5X5	1.9 +/- 0.1	Now	Now	TBE 049-1
	ESI-7SG[]0851M02	0.60 [0.40]	15	1.5			7X7	2.3 + 0.2/- 0.3			TAE 986
	ESI-7SG[]0851M04			TBE 052							
Rx 887~925 MHz	ESI-5BB[]0906M01	0.70 [0.52]	12	1.6	5	1	5X5	1.9 +/- 0.1	Now	Now	TAE 913
	ESI-7SG[]0906M02	0.60 [0.40]	15	1.5			7X7	2.3 + 0.2/- 0.3			TAE987-1
	ESI-7SG[]0906M04			TBE 053							
Tx 1.805~1.880 GHz DCS-1800	ESI-4AG[]1.842G01	0.55 [0.40]	13	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 822
	ESI-7SG[]1.842G02	0.60 [0.35]	15				7X7	2.3 + 0.2/- 0.3			TBE 011
	ESI-7SG[]1.842G04						TAE 892-1				
Rx 1.710~1.785 GHz	ESI-4AG[]1.747G01	0.55 [0.40]	13	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 819-1
	ESI-7SG[]1.747G02	0.60 [0.35]	15				7X7	2.3 + 0.2/- 0.3			TBE 025
	ESI-7SG[]1.747G04						TAE 902				
Tx 1.840~1.870 GHz K-PCS	ESI-4AG[]1.855G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 823
	ESI-7SG[]1.855G02	0.60 [0.35]					7X7	2.3 + 0.2/- 0.3			TAE 982
	ESI-7SG[]1.855G04						TBE 349				
Rx 1.750~1.780 GHz	ESI-4AG[]1.765G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 820
	ESI-7SG[]1.765G02	0.60 [0.35]					7X7	2.3 + 0.2/- 0.3			TBE 342
	ESI-7SG[]1.765G04						TBE 343				

- [Note]
1. Operating Temp. : -35 to +85 (deg.C)
 2. [Typ] : Reference Data at R.T. (deg.C)
 3. "E" will be put on very first of part number for Pb free Isolator.
 4. Other frequencies are available by request.

Systems Frequency	P/N	Ins.Loss [Typ.] (dB)Max.	Isolation (dB)Min.	V.S.W.R. Max.	Handling Power (W)Max.	Reflection Power (W)Max.	Size (mm)	Height (mm)	Mass Production	Sample	Data Sheet No.	
Tx 1.845~1.880 GHz W-CDMA (1.7GHz)	ESI-4AG[]1.862G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TBE 344	
	ESI-7SG[]1.862G02	0.60 [0.35]			10	2	7X7	2.3 + 0.2/- 0.3			TBE 345	
	ESI-7SG[]1.862G04				TBE 346							
Rx 1.750~1.785 GHz	ESI-4AG[]1.767G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TBE 213	
	ESI-7SG[]1.767G02	0.60 [0.35]			10	2	7X7	2.3 + 0.2/- 0.3			TBE 347	
	ESI-7SG[]1.767G04				TBE 348							
Tx 1.930~1.990 GHz PCS	ESI-4AG[]1.960G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 829-1	
	ESI-7SG[]1.960G02	0.60 [0.35]			10	2	7X7	2.3 + 0.2/- 0.3			TAE 916	
	ESI-7SG[]1.960G04				TAE 895							
Rx 1.850~1.910 GHz	ESI-4AG[]1.880G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 824-1	
	ESI-7SG[]1.880G02	0.60 [0.35]			10	2	7X7	2.3 + 0.2/- 0.3			TAE 975	
	ESI-7SG[]1.880G04				TBE 047-1							
PHS 1.880~1.920 GHz	ESI-4AG[]1.900G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TBE 051-1	
	ESI-7SG[]1.900G02	0.60 [0.35]			10	2	7X7	2.3 + 0.2/- 0.3			TBE 056	
	ESI-7SG[]1.900G04				TBE 057							
Tx 2.110~2.170 GHz W-CDMA / UMTS	ESI-4AG[]2.140G01	0.55 [0.40]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 831-1	
	ESI-7SG[]2.140G02	0.60 [0.35]			10	2	7X7	2.3 + 0.2/- 0.3			TAE 920	
	ESI-7SG[]2.140G04				TAE 906							
Rx 1.920~1.980 GHz	ESI-4AG[]1.950G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 828	
	ESI-7SG[]1.950G02	0.60 [0.35]			10	2	7X7	2.3 + 0.2/- 0.3			TAE 919	
	ESI-7SG[]1.950G04				TAE 992							
TD-SCDMA 2.010~2.025 GHz	ESI-4AG[]2.017G01	0.50 [0.35]	15	1.5	5	1	4X4	1.6 +/- 0.1	Now	Now	TAE 830-1	
	ESI-7SG[]2.017G02	0.60 [0.35]			10	2	7X7	2.3 + 0.2/- 0.3			TBE 058	
	ESI-7SG[]2.017G04				TBE 059							
WLL,LAN 2.370~2.430 GHz	ESI-5[]2.400G	0.60 [0.32]	15	1.5	5	1	5X5	1.9 +/- 0.1	Now	Now	TAE942	
WiMAX 2.300~2.700 GHz	ESI-5CE[]2.500G01	1.20 [0.70]	8	2.32	5	1	5X5	2.3 +/- 0.2	Now	Now	TBE256-1	
	2.500~2.600 GHz	ESI-5CE[]2.550G01	0.80 [0.35]	13	1.6	5	1	5X5	2.3 +/- 0.2	Now	Now	TBE238
	2.500~2.700 GHz	ESI-5CE[]2.600G01	0.80 [0.40]	10	1.93	5	1	5X5	2.3 +/- 0.2	Now	Now	TBE322
	2.600~2.700 GHz	ESI-5CE[]2.650G01	0.65 [0.35]	15	1.5	5	1	5X5	2.3 +/- 0.2	Now	Now	TBE365
	3.300~3.500 GHz	ESI-5CE[]3.400G01	1.0 [0.60]	10	1.8	5	1	5X5	2.3 +/- 0.2	Now	Now	TBE469
	3.400~3.600 GHz	ESI-5CE[]3.500G02	1.0 [0.60]	10	1.8	5	1	5X5	2.3 +/- 0.2	Now	Now	TBE320
	3.400~3.800 GHz	ESI-5CE[]3.600G01	1.4 [0.80]	9	2.3	5	1	5X5	2.3 +/- 0.2	Now	Now	TBE375

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[CIRCULATOR FOR BASE STATION]

Systems Frequency	P/N	Ins.Loss [Typ.] (dB)Max.	Isolation (dB)Min.	V.S.W.R. Max.	Handling Power (W)Max.	Reflection Power (W)Max.	Size (mm)	Height (mm)	Mass Production	Sample	Data Sheet No.
Cellular 869~894 MHz	ESC-5[]0881M01	0.90 [0.55]	12	1.7	5	-	5X5	1.9 +/- 0.1	Now	Now	TBE370
RFID 952~955 MHz	ESC-5[]0953M01	0.85 [0.50]	13	1.6	5	-	5X5	1.9 +/- 0.1	Now	Now	-
PCS 1.930~1.990 GHz	ESC-5[]1.960G01	0.70 [0.45]	15	1.5	5	-	5X5	1.9 +/- 0.1	Now	Now	-
W-CDMA/UMTS 2.110~2.170 GHz	ESC-5[]2.140G01	0.60 [0.35]	15	1.5	5	-	5X5	1.9 +/- 0.1	Now	Now	-
WLL,LAN 2.430~2.470 GHz	ESC-5[]2.450G01	0.60 [0.35]	15	1.5	5	-	5X5	1.9 +/- 0.1	Now	Now	-
WiMAX 2.500~2.600 GHz	ESC-5CE[]2.550G01	0.60 [0.32]	15	1.5	5	-	5X5	2.3 +/- 0.2	Now	Now	TAE930-2
2.500~2.700 GHz	ESC-5CE[]2.600G01	0.80 [0.40]	13	1.58	5	-	5X5	2.3 +/- 0.2	Now	Now	TBE222-3
2.600~2.700 GHz	ESC-5CE[]2.650G01	0.60 [0.32]	15	1.5	5	-	5X5	2.3 +/- 0.2	Now	Now	TBE505

[Note] 1. Operating Temp. : -35 to +85 (deg.C)

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3. "E" will be put on very first of part number for Pb free Circulator.

4. Other frequencies are available by request.

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Hitachi Metals, Ltd. Tottori Works