

PAMS Technical Documentation

NSE–8/9 Series Transceivers

Chapter 1

General Information

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Introduction

This chapter contains details of the technical specifications for the Transceiver, general technical information and a list of products/modules together with their associated order codes.

NSE-8/9 is a handheld cellular phones for the pan-European GSM network. It has a GSM phase 1 power class 4 transceiver providing 11 power levels with a maximum output power of 2W.

Modules and Accessories

Modules

Unit/type:	Product code:	Module code:
Transceiver NSE-8	0501794	
Transceiver NSE-9	0501795	
System Module GD7		0201367
GF7		0201234
MNSE8 Mechanical Assembly		0262992
MNSE9 Mechanical Assembly		0262991

Accessories

All accessories are deemed non-serviceable unless stated

Battery Pack BML-3	0670236	
Belt Clip Assy BCP-4	0720192	
Desktop Stand DCH-8	0675179	
Headset HDC-5	0694059	
Handsfree Unit PPH-1	0675182	
Fast Travel Charger ACP-7E	0675144	
Fast Travel Charger ACP-7X	0675145	
Fast Travel Charger ACP-7H	0675146	
Fast Travel Charger ACP-7U	0675143	
Fast Travel Charger ACP-7C	0675212	
Fast Travel Charger ACP-7A	0675148	
Fast Travel Charger ACP-8E	0675195	
Fast Travel Charger ACP-8U	0675196	
Fast Travel Charger ACP-8X	0675197	
Fast Travel Charger ACP-8K	0675199	
Fast Travel Charger ACP-8A	0675214	
Fast Travel Charger ACP-8C	0675211	

Mobile Accessories

Mobile Holder MBC-1	0700060	
Mobile Charger LCH-9	0675120	
Plug-In HF Car Kit PPH-1	0675182	

Technical Specifications**General Specifications**

Temperature range (Extreme conditions) –specifications fulfilled	–20° C to +55° C	
Operating time (BML-3)		
• talk time	2hr 15min – 6hr 15min	
• standby time	240h	
Battery voltage	2.4v (Nominal) 3.6V (max)	
Dimensions (L x W x D)	123.8 x 50.5 x 22.5mm	
Weight	151g	153g with vibra

Electrical Specifications

Parameter	Unit
Cellular system	GSM and DCS1800
RX frequency band	935.2 ... 959.8 MHz GSM 1805.2 ... 1879.8 MHz DCS1800
TX frequency band	890.2 ... 914.8 MHz GSM 1710.2 ... 1784.8 MHz DCS1800
Output power	+5 ... +33 dBm / 3.2 mW ... 2 W GSM +0 ... +30 dBm/ 1 mW ... 1 W DCS1800
Duplex spacing	45 MHz GSM 95 MHz DCS1800
Number of RF channels	124 GSM 374 DCS1800
Channel spacing	200 kHz
Number of TX power levels	GSM 15 DCS1800 16
Sensitivity, static channel	–102 dBm/ BER < 2.439 % GSM –100 dBm/ BER < 2.439 % DCS1800
Frequency error, static channel	< 0.1 ppm
RMS phase error	< 5.0 °
Peak phase error	< 20.0 °